

SYSTEM AND METHOD FOR GENERATING A PREVIEW DISPLAY IN
A PRINT CAPTURING SYSTEM USING A NON-PLANAR PRISM

ABSTRACT OF THE DISCLOSURE

A system and method is provided for generating a preview display of a captured print image from a non-planar platen and for generating a high resolution display of a user-selected area of the preview display. The display processing system comprises a preview generation module and optionally a high resolution display processing module. After a group of captured radial scan line images is received, the preview generation module determines the representative pixel values for pixels in the group. The polar coordinate system position of the respective group is then converted to a position in the display window coordinates. The representative pixel values are plotted at the corresponding display window coordinates. The operator can request a high resolution display of an area of the preview display. When a request is received, the captured image data within that area is converted to rectangular system coordinates and displayed.

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